

Converting Colors

XYZ(16.4466, 13.1308, 57.2042)

Have a look what the booklet for
XYZ(16.4466, 13.1308, 57.2042)
contains.

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Color

**XYZ(16.4088, 13.1831,
56.9381)**

Conversions

Conversions Part 1

Format	Color
Hex	3C5EC9
RGB	60, 94, 201
RGB Percent	24%, 37%, 79%
CMY	0.7647, 0.6314, 0.2118
CMYK	0.70, 0.53, 0.00, 0.21
HSL	226°, 57%, 51%
HSV	226°, 70%, 79%
XYZ	16.4088, 13.1831, 56.9381
YIQ	96.0320, -54.6110, 26.0690

Conversions

Conversions Part 2

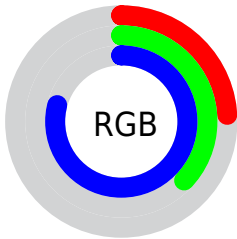
Format	Color
R_{YB}	60, 87, 201
Decimal	3956425
CIE _{Lab}	43.04, 23.94, -59.34
CIE _{LCh}	43, 63.986, 291.967
Yxy	13.1831, 0.1896, 0.1524
Android (android.graphics.Color)	4282146505 (0xFF3C5EC9)
YUV	96.0320, 51.7492, -31.6001
Hunter-Lab	36.3085, 17.1290, -67.5610

Details

The XYZ color **16.4088, 13.1831, 56.9381** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted blue. A complement of this color would be **38.7238, 40.3848, 10.0303**, and the grayscale version is **11.0148, 11.5884, 12.6198**.

A 20% lighter version of the original color is **36.3354, 31.4516, 98.7634**, and **6.2866, 4.2719, 27.6874** is the 20% darker color. If you saturate the color by 10%, you get **14.1919, 10.2218, 56.4837**, and if you desaturate by 10%, it is **19.3560, 16.9189, 57.5042**.

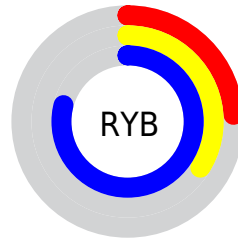
Distribution



Red (24%)

Green (37%)

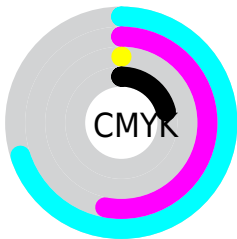
Blue (79%)



Red (24%)

Yellow (34%)

Blue (79%)

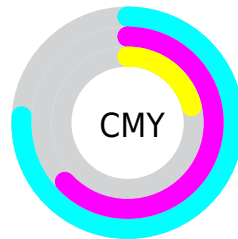


Cyan (70%)

Magenta (53%)

Yellow (0%)

Black (21%)



Cyan (76%)

Magenta (63%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4088, 13.1831, 56.9381 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 16.4088, 13.1831, 56.9381 by changing the saturation by 10% instead.

■ 16.4088, 13.1831,
56.9381

■ 16.4088, 13.1831,
56.9381

224.9653,
212.0878, 430.7046

■ 9.9066, 7.5548,
40.5465

■ 36.8582, 31.6323,
101.8743

■ 5.3988, 3.8114,
27.6479

■ 51.5361, 45.2220,
131.2560

■ 2.5203, 1.5686,
17.8237

■ 69.6699, 62.2343,
165.8048

■ 0.9055, 0.3363,
10.6553

■ 91.6250, 83.0535,
205.9393

■ 0.0000, 0.0000,
5.7243

■ 117.7667,
108.0640, 252.0780

■ 0.0000, 0.0000,
2.6121

148.4604,

■ 0.0000, 0.0000,

137.6504, 304.6394

0.8987

184.0715,
172.1968, 364.0421

■ 0.0000, 0.0000,
0.0000

■ 16.4088, 13.1831,
56.9381

■ 16.4088, 13.1831,
56.9381

■ 14.1919, 10.2218,
56.4837

■ 19.3560, 16.9189,
57.5042

■ 12.6322, 7.9735,
56.1319

■ 23.0929, 21.4815,
58.1879

■ 11.6185, 6.3687,
55.8756

■ 27.6748, 26.9192,
58.9960

■ 33.1512, 33.2765,
59.9344

■ 39.5676, 40.5945,
61.0088

■ 46.9664, 48.9119,
62.2242

■ 55.3874, 58.2650,
63.5857

■ 64.8681, 68.6884,
65.0980

■ 75.4441, 80.2152,
66.7654

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



11.2551, 13.1831, 61.3040



16.4088, 13.1831, 56.9381



21.5468, 13.1831, 38.3258

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16.4088, 13.1831, 56.9381



19.3025, 13.1831, 1.8472



5.3078, 13.1831, 10.8938

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



16.4088, 13.1831, 56.9381



38.7238, 40.3848, 10.0303

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



6.4624, 13.1831, 3.3015



16.4088, 13.1831, 56.9381



13.8980, 13.1831, 0.7582

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



16.4088, 13.1831, 56.9381



23.4989, 13.1831, 6.4227



9.3166, 13.1831, 1.0410



5.6496, 13.1831, 27.0477

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



16.4088, 13.1831, 56.9381



23.8380, 13.1831, 24.4707



9.3166, 13.1831, 1.0410



5.5201, 13.1831, 7.4991

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



16.4094, 13.1835, 56.9385



66.3964, 67.9756, 104.2289



29.6111, 45.4786, 43.1751



13.5291, 13.7741, 22.1956



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.4094, 13.1835, 56.9385



22.8219, 15.4182, 96.3809



16.9051, 9.8964, 56.2779



10.2609, 10.6958, 13.4412



7.3657, 4.1253, 35.1524



0.4073, 0.3124, 1.6840

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



27.7243, 16.4584, 12.3053



43.9771, 23.6125, 12.4663



37.3767, 50.1802, 11.9920



10.7370, 10.6782, 11.5981



15.5172, 7.9564, 2.6675



0.7643, 0.3886, 0.2819

Previews

White Background



This preview shows how the XYZ color 16.4088, 13.1831, 56.9381 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 16.4088, 13.1831, 56.9381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

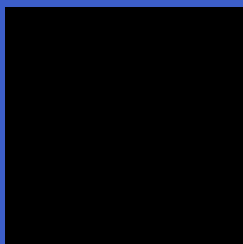
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.4088, 13.1831, 56.9381

Background



This preview shows how black text looks on a background with the XYZ color 16.4088, 13.1831, 56.9381.



This preview shows how white text looks on a background with the XYZ color 16.4088, 13.1831,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

16.4088, 13.1831, 56.9381

Protanopia

15.6250, 13.1277, 59.4680

Deuteranopia

13.0885, 12.9958, 44.9986



Tritanopia

9.2454, 12.9688, 20.1051

Trichromacy



Original Color

16.4088, 13.1831, 56.9381

Protanomaly

15.8095, 13.1004, 58.8221

Deuteranomaly

13.9651, 12.9158, 49.3339

Tritanomaly

10.8875, 12.4757, 30.6884

Monochromacy



Original Color

16.4088, 13.1831, 56.9381

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.9626, 11.7446, 24.1907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4088, 13.1831, 56.9381 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(60, 94, 201)` looks like.

```
.text, #text, p{  
    color:rgb(60, 94, 201)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(60, 94, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 94, 201) }
```

Border

The CSS property to change the border of an element to XYZ 16.4088, 13.1831, 56.9381 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(60, 94, 201) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(60, 94, 201) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(60, 94, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 94, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 94, 201);  
box-shadow:4px 4px 4px 4px rgb(60, 94,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4088, 13.1831, 56.9381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 94, 201) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(60, 94,  
201) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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